

WHAT IS CLAIMED IS:

1. A video network platform for managing video network devices, the video network platform comprising:
a network interface module operable to
5 interface with the devices and to represent a device as an interface object;
one or more management applications operable to manage a device represented as an application object; and
an adapter engine associated with the network
10 interface module, the adapter engine operable to create an application object for a device, the application object corresponding to the interface object for the device.
- 15 2. The video network platform of Claim 1 further comprising:
an override interface object associated with the network interface, the override object operable to accept a request meant for an interface object and to
20 direct the request to an application object corresponding to the interface object.
3. The video network platform of Claim 1 further comprising:
25 a discovery engine associated with the network interface, the discovery engine operable to detect devices and initiate creation of an object to represent a detected device.

4. The video network platform of Claim 3 wherein the discovery engine initiates creation of an application object by the adapter engine, the adapter engine further operable to initiate creation of a corresponding interface object by the network interface.

5. The video network platform of Claim 4 wherein the adapter engine incorporates attributes of the interface object into the corresponding application object.

6. The video network platform of Claim 1 wherein the interface object comprises a managed object.

7. The video network platform of Claim 1 wherein the application object comprises a Management Bean.

8. The video network platform of Claim 1 wherein the management application comprises a scheduling application.

9. The video network platform of Claim 1 wherein the management application comprises a diagnostics application.

10. The video network platform of Claim 1 wherein the management application comprises a monitoring application.

11. A method for managing video network devices,
the method comprising:

detecting a video device interfaced with the
network;

5 creating an application object for the device;
 applying the application object to build an
interface object corresponding to the application object,
the interface object obtaining interface information from
the device;

10 forwarding the interface information to the
application object; and
 populating the application object with device
information.

15 12. The method of Claim 11 wherein the application
object comprises a Java management bean.

13. The method of Claim 11 wherein the application
object comprises a Web NMS Managed Object.

20

14. The method of Claim 11 further comprising:
 interfacing a management application with a
device through the application object corresponding with
the device.

25

15. The method of Claim 14 wherein the management
application comprises a scheduling application.

16. The method of Claim 14 wherein the management
30 application comprises a diagnostics application.

17. The method of Claim 14 wherein the management application comprises a monitoring application.

18. The method of Claim 11 wherein applying the application object to build an interface object further comprises:

applying dynamic attribute query capabilities to populate a corresponding interface object.

19. The method of Claim 11 wherein applying the application object to build an interface object further comprises:

creating an interface object that corresponds to the application object.